



Docket No.: 245946US0CONT

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**OBLON**

**SPIVAK**

**McCLELLAND**

**MAIER**

&  
**NEUSTADT**

P.C.

ATTORNEYS AT LAW

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

RE: Application Serial No.: 10/722,411

Applicants: Armando MARCOTULLIO, et al.

Filing Date: November 28, 2003

For: PROCESS FOR MOVING HIGHLY VISCOUS  
RESIDUES DERIVING FROM OIL PROCESSING

Group Art Unit: 1764

Examiner: GRIFFIN, W.

SIR:

Attached hereto for filing are the following papers:

**LETTER SUBMITTING EXECUTED DECLARATION  
DECLARATION UNDER 37 CFR 1.132 (EXE)**

Our check in the amount of **\$0.00** is attached covering any required fees. In the event any variance exists between the amount enclosed and the Patent Office charges for filing the above-noted documents, including any fees required under 37 C.F.R. 1.136 for any necessary Extension of Time to make the filing of the attached documents timely, please charge or credit the difference to our Deposit Account No. 15-0030. Further, if these papers are not considered timely filed, then a petition is hereby made under 37 C.F.R. 1.136 for the necessary extension of time. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.  
Norman F. Oblon

  
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Frederick D. Vastine, Ph.D.  
Registration No. 27,013

Customer Number

**22850**

(703) 413-3000 (phone)  
(703) 413-2220 (fax)



DOCKET NO.: 245946US0CONT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF : :

Armando MARCOTULLIO, et al : GROUP: 1764

SERIAL NO.: 10/722,411 : EXAMINER: Griffin, W.

FILED: November 28, 2003 : :

FOR: PROCESS FOR MOVING HIGHLY VISCOUS  
RESIDUES DERIVING FROM OIL PROCESSING

**LETTER SUBMITTING EXECUTED DECLARATION**

COMMISSIONER FOR PATENTS  
P. O. BOX 1450  
ALEXANDRIA, VA. 22313-1450

SIR:

Applicant(s) respectfully submit herewith the original executed Declaration under 37 C.F.R. §1.132 to replace the unexecuted Declaration under 37 C.F.R. §1.132, which was originally filed in the U.S. Patent and Trademark Office on October 14, 2004.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.  
Norman F. Oblon

Frederick D. Vastine, Ph.D.  
Registration No.: 27,013

Customer Number

**22850**

TEL: 703-413-3000  
FAX: 703-413-2220  
NFO/FDV

Appln. No. 10/722,411  
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DOCKET NO: 245946US0CONT



IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF

Armando MARCOTULLIO, et al : EXAMINER: GRIFFIN, W.

SERIAL NO: 10/722,411 :

FILED: NOVEMBER 28, 2003 : GROUP ART UNIT: 1764

FOR: PROCESS FOR MOVING HIGHLY  
VISCOUS RESIDUES DERIVING FROM  
OIL PROCESSING

DECLARATION UNDER 37 CFR 1.132

COMMISSIONER FOR PATENTS  
P. O. BOX 1450  
ALEXANDRIA, VIRGINIA 22313-1450

SIR:

Now comes ARMANDO MARCOTULLIO who deposes and says that:

- 1) I am an inventor of the above-identified application.
- 2) I am employed by the ENITECNOLOGIE S.p.A., where I have been engaged in COLLOID CHEMISTRY.
- 3) I have read the specification of the above-identified application, as well as the contents of the Office Action of June 18, 2004, from the U.S. Patent Office and each of the references cited therein.
- 4) That in order to demonstrate the superior stability characteristics of the claimed tar/water dispersion of the present invention, the following evidence has been obtained.

Experiments

Table 1 below shows the stability results in terms of the demixing of water from a 1 liter dispersion of tar/water in a ratio of 70/30 that contains 0.50 wt % of the naphthalene/formaldehyde sulfonate dispersing agent of the present invention.

TABLE 1

Time (hours)	Demixed Water (cc)	Percent by Weight
0	-	-
24	0	-
48	0	-
96	0	-
120	0	-
144	0	-
168	0	-
192	traces	-
262	traces	-

Table 2 below shows the stability results in terms of the demixing of water from a 1 liter dispersion of tar/water in a ratio of 65/35 that contains 0.50 wt % of the naphthalene/formaldehyde sulfonate dispersing agent of the present invention.

TABLE 2

Time (hours)	Demixed Water (cc)	Percent by Weight
0	-	-
24	0	-
48	trace	-
72	20	5.7
142	35	10.0
166	40	11.4
190	50	14.3
214	55	15.7

5) The data in the Tables above clearly show that embodiments of the tar/water dispersions of the present invention at 70/30 and 65/35 exhibit significant stability thereby making the process of the present invention useful in the recovery and moving of visbreaking tar.

6) The undersigned petitioner declares further that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issuing thereon.

7) Further, deponent saith not.

November 10, 2004  
Date

Anthony Maccarillo